

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2011 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	2.37

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/30/2011 - 3/30/2011			
DWR Inspector	Jim Eto			
Accompanied By	Robert Brown			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2107 Mossdale Island

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River						Left	2.37	03/30/2011 03/30/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.03	0.03	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.786993 ° -121.308694 °	37.786993 ° -121.308694 °	1 Y
2	0.25	0.25	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.784316 ° -121.306498 °	37.784316 ° -121.306498 °	2 Y
3	0.26	0.26	Earthen Levee	Encroachments	WS	C	Garbage Inspector Comments: Trash left by vagrants seeking river access at abandoned trailer park is an ongoing problem at this location.	37.784289 ° -121.306493 °	37.784289 ° -121.306493 °	16 Y
4	0.26	0.26	Earthen Levee	Encroachments	WS	A	Garbage Inspector Comments: Updated photo showing area free of garbage.	37.784289 ° 37.784289 °	-121.306493 ° -121.306493 °	18 Y
5	0.34	0.34	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Thistle needs to be cleared to make landside toe visible	37.783526 ° -121.305514 °	37.783477 ° -121.305447 °	10 Y
6	0.35	0.35	Earthen Levee	Encroachments	LS	C	Tree or limb Inspector Comments: Downed tree trunk on levee slope.	37.783337 ° -121.305260 °	37.783337 ° -121.305260 °	3 Y
7	0.37	0.37	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.783233 ° -121.305125 °	37.783233 ° -121.305125 °	4 Y
8	0.37	0.37	Earthen Levee	Erosion / Bank Caving	WS	C	Note and monitor erosion site. Inspector Comments: Vehicle traffic on levee slope due to public seeking river access at abandoned trailer park.	37.783233 ° -121.305123 °	37.783233 ° -121.305123 °	5 Y
9	0.37	0.37	Earthen Levee	Erosion / Bank Caving	WS	A	Inspector Comments: New photo showing repaired bank free of wheel tracks	37.783233 ° -121.305123 °	37.783233 ° -121.305123 °	19 Y
10	0.42	0.42	Earthen Levee	Animal Control	WS	A	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent burrows are in close proximity to Elderberry bushes on water side.	37.782666 ° -121.304329 °	37.782666 ° -121.304329 °	13 Y
11	0.68	0.68	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Irrigation intake pump. Steel pipe runs through base of levee.	37.779550 ° -121.301987 °	37.779550 ° -121.301987 °	6 Y
12	0.75	0.75	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact. Inspector Comments: Depression in crown is holding water, evidence of low spot, water draining from low spot appears to be responsible for the bank erosion on the landside at the same levee mile	37.778822 ° -121.302840 °	37.778822 ° -121.302840 °	15 Y
13	0.75	0.75	Earthen Levee	Erosion / Bank Caving	WS	M	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion on landside appears to be from water draining from depression in crown also noted at levee mile 0.75.	37.778822 ° -121.302840 °	37.778822 ° -121.302840 °	14 Y

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2107 Mossdale Island

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River						Left	2.37	03/30/2011 03/30/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	0.76	0.76	Earthen Levee	Animal Control	WS	W	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.778798 ° -121.302885 °	37.778798 ° -121.302885 °	7
15	1.23	1.23	Earthen Levee	Encroachments	WS	C	Prunings Inspector Comments: Burn pile on levee slope.	37.774341 ° -121.307079 °	37.774341 ° -121.307079 °	8
16	1.24	1.24	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: Landscaping and fence present on levee slope.	37.774123 ° -121.307189 °	37.774123 ° -121.307189 °	17 Y
17	1.49	1.49	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Irrigation intake pump.	37.771636 ° -121.304773 °	37.771636 ° -121.304773 °	9 Y
18	2.21	2.21	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Irrigation intake pipe through levee freeboard.	37.762868 ° -121.309708 °	37.762868 ° -121.309708 °	11

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	03/30/2011 03/30/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Photo of waterside slope. Stumps present from prior tree removal for access and visibility.

jeto_s_20110301_328.jpg



Levee Mile Report Line	2
Start Levee Mile	0.25
End Levee Mile	0.25
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree stumps present on slope. They were left from prior vegetation removal for access and visibility.

jeto_s_20110301_329.jpg



Levee Mile Report Line	4
Start Levee Mile	0.26
End Levee Mile	0.26
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Photo taken 03/30/2011 showing area now free of garbage.

jeto_s_20110407_370.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	03/30/2011 03/30/2011	Jim Eto

Levee Mile Report Line	5
Start Levee Mile	0.34
End Levee Mile	0.34
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/30/2011 Thistle has been cleared landside toe is visible	
jeto_s_20110404_352.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.37
End Levee Mile	0.37
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Tree stumps and trunks on levee slope. Vehicle traffic on levee slope is an ongoing problem at this location due to the abandoned trailer park, access should be restricted.	
jeto_s_20110301_331.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.37
End Levee Mile	0.37
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
03/30/2011 Erosion from tire tracks has been repaired, no evidence of vehicle track on levee waterside.	
jeto_s_20110407_371.jpg	



* Location LS : Landside WS : Waterside CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Spring 2011

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	03/30/2011 03/30/2011	Jim Eto

Levee Mile Report Line	10
Start Levee Mile	0.42
End Levee Mile	0.42
Location	Water Side
Category	Earthen Levee
Item	Animal Control
03/30/2011 Animal burrows present, burrows are in close proximity to Elderberry bush	
jeto_s_20110404_354.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.68
End Levee Mile	0.68
Location	Crown
Category	Earthen Levee
Item	Encroachments
Irrigation intake pipe runs through the base of the levee. Stand pipes on waterside and landside. A Butterfly valve is located near waterside slope.	
jeto_s_20110301_332.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
03/30/2011 Depression in crown is collecting water, it appears that the water draining from the low spot is the cause of the bank erosion at the same levee mile.	
jeto_s_20110404_356.jpg	

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Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	03/30/2011 03/30/2011	Jim Eto

Levee Mile Report Line	13
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

03/30/2011 Erosion on landside appears to be caused by drainage from depression in levee crown at same levee mile (0.75).

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Levee Mile Report Line	13
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

03/30/2011 Minor erosion on landside

jeto_s_20110404_358.jpg



Levee Mile Report Line	16
Start Levee Mile	1.24
End Levee Mile	1.24
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fall 2009 photo of landscape planting on landside levee slope and a 3-ft yard fence at the levee toe.

jeto_s_20110301_335.jpg



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Unit No. 01 San Joaquin River	Left	2.37	03/30/2011 03/30/2011	Jim Eto

Levee Mile Report Line	17
Start Levee Mile	1.49
End Levee Mile	1.49
Location	Crown
Category	Earthen Levee
Item	Encroachments
Irrigation intake pipe through levee free board.	
jeto_s_20110301_334.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

Waterway			Bank	Unit Miles
Unit No. 02 Paradise Cut			Right	1.84
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/30/2011 - 3/30/2011			
DWR Inspector	Jim Eto			
Accompanied By	Robert Brown			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2107 Mossdale Island

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut						Right	1.84	03/30/2011 03/30/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.14	0.14	Earthen Levee	Animal Control	CR	W	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.761504 ° -121.311873 °	37.761504 ° -121.311873 °	1 Y
2	0.55	0.55	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Drainage discharge pump and pipe through levee freeboard.	37.764831 ° -121.317446 °	37.764831 ° -121.317446 °	2 Y
3	0.84	0.84	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.767792 ° -121.321220 °	37.767792 ° -121.321220 °	5 Y
4	1.29	1.29	Earthen Levee	Slope Stability	LS	C	Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Recent wheel ruts may lead to a slope stability issue.	37.772075 ° -121.326684 °	37.772075 ° -121.326684 °	3
5	1.53	1.53	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Drainage discharge into Paradise Cut. Gravity flow and pressure flow from sump pump if necessary. Power to pump disconnected. Pump in disrepair. No flap gates or closure devices.	37.774170 ° -121.329954 °	37.774170 ° -121.329954 °	6 Y

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	03/30/2011 03/30/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	0.14
End Levee Mile	0.14
Location	Crown
Category	Earthen Levee
Item	Animal Control
Animal burrowing activity on levee slope.	
jeto_s_20110301_336.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.55
End Levee Mile	0.55
Location	Crown
Category	Earthen Levee
Item	Encroachments
Drainage discharge pump. Steel pipe penetrates levee freeboard. No flapgate on waterside. No closure device.	
jeto_s_20110301_337.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.84
End Levee Mile	0.84
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Tree stumps on levee slope.	
jeto_s_20110301_339.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	03/30/2011 03/30/2011	Jim Eto

Levee Mile Report Line	5
Start Levee Mile	1.53
End Levee Mile	1.53
Location	Crown
Category	Earthen Levee
Item	Encroachments

Drainage discharge pump inoperable. Parallel gravity drainage to Paradise Cut.

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Levee Mile Report Line	5
Start Levee Mile	1.53
End Levee Mile	1.53
Location	Crown
Category	Earthen Levee
Item	Encroachments

03/30/2011 photo of Unit 2 gravity drain

jeto_s_20110404_355.jpg



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